

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/03	02:28:31.8		47.900N	9.400E				23					3.1ML		SED	
2003/09/03	02:28:32.2	+ - 0.09	47.886N	9.338E	1.6	1.5	121	14G		84	30	65	3.2ML		LDG	L
2003/09/03	02:28:31.6	+ - 0.19	47.933N	9.381E	4.4	2.2	138	10G		29	15	90	3.1ML		SZGRF	L
2003/09/03	02:28:31.9	+ - 0.46	47.927N	9.413E	4.4	2.2	8	10G		27	11	220	3.1ML	FUR	BGR	L
2003/09/03	02:28:32.0	+ - 0.09	47.900N	9.377E	1.2	1.1	34	19	+ - 1.8	30	13	118	3.2ML		LED	L

Weingarten, N of Friedrichshafen

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GUT	i Pg -	02:28:37.5	-0.1	T		27.2	314.4	ML 3.3
	i Sg	02:28:41.6	0.2	T				
SISB	i Pg +	02:28:39.4	0.1	T		38.9	232.5	ML 3.2
	i Sg	02:28:45.0	0.7	T				
	SmS	02:28:47.4	-0.9	T				
SPAK	i Pg -	02:28:41.2	0.2	T		49.4	297.3	
	Sg	02:28:47.4	0.3	T				
UBR	i Pg +	02:28:42.8	0.2	T		59.8	113.8	ML 2.9
	PmP	02:28:43.8	-0.6	T				
	i Sg	02:28:50.5	0.6	T				
	SmS	02:28:51.9	-1.0	T				
BUCH	i Pg +	02:28:42.8	-0.1	T		61.1	358.3	ML 3.0
	e Sg	02:28:50.5	0.2	T				
WILA	e Pg Z	02:28:43.4	0.0			64.4	213.3	
	e Sg N	02:28:52.1	0.9					
SLE	e Pg Z	02:28:43.9	0.0			67.6	257.6	
	e Sg N	02:28:52.2	0.2					
KAMOR	e Pg Z	02:28:44.3	0.3			68.4	173.0	
	e Sg N	02:28:53.2	1.0					
TUBL	e Pg	02:28:44.9	0.2	T		72.6	342.6	ML 2.8
	e Sg	02:28:53.4	-0.0	T				
DAVA	e Pg Z	02:28:46.0	0.3			77.9	150.9	
	e Sg Z	02:28:55.9	1.0					
ZUR	e Pg Z	02:28:46.5	-0.1			83.9	225.6	
	e Sg N	02:28:57.1	0.5					
BFO	e Pg Z	02:28:47.5	-0.3		32.4	91.3	302.0	ML 2.5
	e Sg N	02:28:58.6	-0.1					
LBG	Pn	02:28:47.6	-0.9	T		95.2	333.3	ML 3.1
	Pg	02:28:48.4	-0.1	T				
	Sn	02:28:58.7	-1.5	T				
HDH	i Pn +	02:28:47.5	-1.3	T		97.8	38.6	ML 3.3
	i Pg +	02:28:48.4	-0.5	T				
	e Sg	02:29:00.4	-0.0	T				
FELD	i Pn +	02:28:48.6	-0.8	T		102.4	269.0	
	Pg	02:28:49.5	-0.2	T				
SULZ	e Pg Z	02:28:48.6	-1.2			103.2	246.9	
	e Sg N	02:29:01.4	-0.5					
KIZ	Pn	02:28:49.3	-0.9	T		108.9	273.8	ML 3.5
	e Pg	02:28:50.1	-0.6	T				
	Sn	02:29:01.5	-1.5	T				
	Sg	02:29:03.4	-0.2	T				
FBB	Pg	02:28:51.1	-0.5	T		114.0	276.3	
LIBD	Pg	02:28:55.2	0.1	T		134.8	282.6	
FUR	e Pg Z	02:28:56.1	-0.6		16.0	144.1	77.6	ML 3.1
	e Sg N	02:29:13.2	-0.3					
BBS	Pn	02:28:54.0	-0.9	T		148.0	251.6	
WLS	Pg	02:28:59.5	0.1			160.5	291.6	
SIND	Pn	02:28:55.2	-1.5			162.0	5.9	ML 3.2

		Sn		02:29:12.8	-1.4														
		Sg		02:29:17.5	-1.1														
LANF		Pg		02:29:00.9	0.4			167.0	316.6										
MOF		Pn		02:28:56.3	-1.0			167.4	269.0										
ECH		Pg		02:29:00.8	0.0			168.6	282.8										
OGA	i	Pg	-	02:28:58.8	-2.0			169.0	132.2										
BOURR	e	Pn	Z	02:28:56.9	-0.8			170.2	251.5										
	e	Sg	N	02:29:20.1	-0.8														
WTTA	e	Pg	Z	02:29:01.5	-1.9			183.6	111.8										
TOD		Pg		02:29:04.7	-0.4			194.2	347.7										
LOMF	e	Pg		02:29:06.1	-0.1			200.6	253.2										
GRFO	e	Pg	Z	02:29:11.8	-1.2	18.4		240.6	33.4										
	e	Sg	E	02:29:39.8	-1.2														
GRA1	e	Pg	Z	02:29:11.3	-1.6			240.7	33.5	ML	3.1								
	e	Sg	N	02:29:39.9	-1.2														
THEF		Pg		02:29:12.9	-2.3			254.0	279.5										
TNS	e	Pn	Z	02:29:09.5	0.0	4.3		267.0	345.7	ML	3.0								
	e	Sg	N	02:29:48.7	0.2														
WET	e	Pn	Z	02:29:12.1	-0.5	8.7		292.6	60.5	ML	2.9								
	e	Pg	Z	02:29:21.1	-0.6	3.7													
	e	Sn	N	02:29:42.1	0.2														
	e	Sg	N	02:29:54.7	-1.1														
WLF	e	Pn	Z	02:29:15.3	0.9			307.1	310.9	ML	2.8								
	e	Sg	N	02:29:59.7	-0.2														
GEC2	e	Pn	Z	02:29:18.1	0.2	11.7		336.2	70.2	ML	3.1								
	e	Pg	Z	02:29:28.4	-0.7	1.5													
	e	Sn	E	02:29:53.0	1.9														
	e	Sg	N	02:30:06.8	-1.4														
MOX	e	Pg	Z	02:29:29.1	-1.6	3.5		345.7	27.2	ML	3.2								
	e	Sg	E	02:30:09.4	-1.6														
WERD	e	Pg	Z	02:29:30.8	-1.3			354.4	35.8	ML	3.1								
	e	Sg	N	02:30:11.2	-2.3														
MOA	e	Pn	Z	02:29:22.2	0.9			364.6	89.1										
	e	Sg	Z	02:30:15.0	-1.4														
CLZ	e	Pg	Z	02:29:47.0	-0.3	3.8		444.0	8.9	ML	3.3								
	e	Sn	N	02:30:14.8	0.9														
	e	Sg	E	02:30:37.3	-1.7														
CLL	e	Pg	Z	02:29:49.9	-0.2	2.5		460.1	33.2	ML	3.4								
	e	Sg	E	02:30:42.3	-1.3														
BRG	e	Pg	Z	02:29:50.8	-0.5	3.5		467.3	43.3	ML	3.3								
	e	Sg	N	02:30:43.8	-1.8														

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/03	04:44:52.8	+ -	0.77	51.465N	6.720E	8.9	4.4	119	1G		9	6	205	2.0ML	TNS	BGR	I
2003/09/03	04:44:51.5			51.483N	6.719E				1G					1.6ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg - Z	04:44:59.0	1.0	TA		38.4	96.8	ML 1.6
	e Sg E	04:45:04.7	2.2					
IBBN	e Sg E	04:45:26.8	2.1			116.1	37.4	ML 2.2
TNS	e Pg Z	04:45:23.8	0.9		5.0	185.3	138.4	ML 2.0
	e Sg E	04:45:45.7	1.3					
WLF	e Sg E	04:45:50.8	0.4			206.1	191.4	ML 2.1
CLZ	e Pg Z	04:45:36.3	1.6		2.3	255.1	79.6	ML 2.2

BFO e Sg N 04:46:04.5 0.1
 e Pn Z 04:45:44.8 1.3 1.9 369.0 161.2

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/07	11:17:58.9	+/- 0.29	47.539N	10.351E	7.4	4.6	15	10G		9	6	319	2.3ML		LDG	L
probably mislocated (after BGR)																
2003/09/07	11:17:42.6	+/- 1.04	47.349N	11.080E	10.0	5.6	176	10G		8	6	250	1.9ML	WET	BGR	L

Inn Valley/A, W of Innsbruck

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
OGA	i Pg -	11:17:50.6	-1.3			53.7	184.4	
	i Sg	11:17:56.3	-1.9					
SCE	i Pg -	11:17:51.5	-1.3			58.8	125.7	
	e Sg	11:17:58.4	-1.3					
FUR	e (Sg) N	11:18:10.3	1.4	T		91.7	9.1	ML 2.1
BFO	e Sg N	11:18:49.0	-0.1	T		232.4	299.0	ML 1.8
WET	e Pn Z	11:18:18.4	0.6	T	2.6	239.9	33.0	ML 1.9
	e Sg E	11:18:50.7	-0.5	T				
GEC2	e Pg Z	11:18:25.5	-0.5	T	2.6	256.0	48.5	ML 1.9
	e Sg N	11:18:56.1	0.3	T				
GRFO	e Sg E	11:18:57.4	0.2	T		260.6	2.2	ML 2.1
MOX	e Sg E	11:19:27.7	-0.3	T		368.5	5.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/10	12:45:42.9		47.900N	9.400E				24					2.1ML		SED	
2003/09/10	12:45:42.9		47.900N	9.400E				24					3.0ML		NEIC	
2003/09/10	12:45:43.7	+/- 0.29	47.869N	9.295E	5.0	3.0	83	18G		41	17	240	3.0ML		LDG	L
2003/09/10	12:45:43.3	+/- 0.73	47.934N	9.404E	8.9	4.4	4	10G		6	4	220	2.6ML		SZGRF	L
2003/09/10	12:45:42.6	+/- 0.74	47.920N	9.427E	7.8	3.3	4	10G		11	7	229	2.6ML	TNS	BGR	L
2003/09/10	12:45:42.9	+/- 0.11	47.900N	9.374E	1.1	1.0	88	18	+/- 2.4	23	11	118	2.7ML		LED	L

Weingarten, N of Friedrichshafen

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GUT	i Pg -	12:45:48.3	-0.1	T		27.0	314.7	ML 3.2
	i Sg	12:45:52.5	0.2	T				
SISB	i Pg +	12:45:50.3	0.1	T		38.7	232.3	ML 2.8
	PmP	12:45:50.9	-1.6					
	i Sg	12:45:55.9	0.8	T				
SPAK	Pg	12:45:52.1	0.3	T		49.2	297.4	
	Sg	12:45:58.3	0.5	T				
UBR	i Pg +	12:45:53.7	0.2	T		60.0	113.7	ML 2.6
	PmP	12:45:54.7	-0.6	T				
	i Sg	12:46:01.3	0.5	T				
	SmS	12:46:02.7	-1.0					
BUCH	e Pg +	12:45:53.7	-0.0	T		61.1	358.5	ML 2.7
	Sg	12:46:01.4	0.3	T				
TUBL	Pg	12:45:55.7	0.2	T		72.5	342.8	ML 2.3
	PmP	12:45:56.1	-0.9	T				
	Sg	12:46:04.3	0.0	T				
BFO	e Pg Z	12:45:58.5	-0.1		8.3	91.1	302.1	ML 2.3
	e Sg N	12:46:09.5	0.0					
LBG	Pg	12:45:59.2	-0.1	T		95.1	333.4	ML 2.6

				Sg		12:46:10.3	-0.3	T										
HDH	i	Pg +		Sg		12:45:59.2	-0.5	T		97.9	38.7		ML	3.0				
				Sg		12:46:11.1	-0.2	T										
FELD		Pg		Pg		12:46:00.3	-0.2	T		102.2	269.0							
KIZ	e	Pg -		Pg		12:46:01.0	-0.6	T		108.6	273.8		ML	3.2				
				Sn		12:46:12.4	-1.4	T										
				Sg		12:46:14.2	-0.2	T										
FUR	e	Pg Z		Pg	Z	12:46:06.7	-0.8			144.4	77.6		ML	2.8				
	e	Sg E		Sg	E	12:46:23.8	-0.6											
BBS		Pg		Pg		12:46:07.9	-0.2	T		147.8	251.6							
SIND	i	Pg -		Pg		12:46:10.2	-0.3			162.0	6.0		ML	2.8				
				Sg		12:46:28.3	-1.1											
LANF		Sg		Sg		12:46:30.6	-0.2			166.8	316.7							
ECH		Pg		Pg		12:46:12.6	1.0			168.4	282.9							
SWS		Sg		Sg		12:46:35.3	-0.1			183.0	344.6		ML	2.6				
TOD		Sg		Sg		12:46:37.9	-0.7			194.2	347.8							
LOMF		Pg		Pg		12:46:16.9	-0.0			200.4	253.2							
GRFO	e	Pg N		Pg	N	12:46:22.4	-1.3		2.6	240.7	33.5		ML	2.6				
	e	Sg E		Sg	E	12:46:49.7	-2.1											
GRA1	e	Sg E		Sg	E	12:46:50.7	-1.2			240.9	33.5		ML	2.8				
TNS	e	Sg E		Sg	E	12:46:59.5	0.2			266.9	345.7		ML	2.6				
WET	i	Pn -		Pn	-	12:46:22.9	-0.6			292.8	60.5		ML	2.6				
	e	Pg Z		Pg	Z	12:46:31.9	-0.6		2.1									
	e	Sg E		Sg	E	12:47:05.0	-1.7											
WLF	e	Sg N		Sg	N	12:47:10.4	-0.3			306.9	310.9							
GEC2	e	Pg Z		Pg	Z	12:46:39.1	-0.9		1.6	336.4	70.2		ML	2.8				
	e	Sg N		Sg	N	12:47:17.8	-1.3											
MOX	e	Pg		Pg		12:46:41.5	-0.0			345.8	27.2		ML	2.8				
	e	Sg N		Sg	N	12:47:20.2	-1.6											
CLZ	e	(Sg) N		(Sg)	N	12:47:48.5	-1.3			444.1	8.9		ML	3.1				
CLL	e	(Sg) N		(Sg)	N	12:47:53.2	-1.3			460.2	33.2		ML	3.2				
BRG	e	(Sg) E		(Sg)	E	12:47:52.9	-3.6			467.4	43.3		ML	2.9				

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/15	19:33:05.9	+-	0.15	51.543N	6.828E	2.7	1.9	36	1G		25	14	268	2.7ML		LDG	I?
2003/09/15	19:33:04.9	+-	0.60	51.532N	6.834E	6.7	4.4	109	1G		9	4	202	2.0ML	TNS	BGR	I
2003/09/15	19:33:06.3	+-	0.58	51.511N	6.883E	7.8	4.4	109	1G		8	4	199	2.1ML		SZGRF	I
2003/09/15	19:33:04.9			51.528N	6.922E				1G					1.4ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg + Z	19:33:10.4	1.1	TA		25.9	111.8	ML 1.4
	e Sg E	19:33:14.5	2.2					
IBBN	e Pg Z	19:33:22.6	0.1			103.9	33.1	ML 2.4
	e Sg N	19:33:37.8	3.2					
TNS	e Pg Z	19:33:35.3	-0.1			180.3	143.0	ML 2.0
	e Sn N	19:33:55.4	1.1					
	e Sg E	19:33:58.4	1.9					
WLF	e Pg Z	19:33:41.4	0.2			214.2	195.0	ML 2.1
	e Sg N	19:34:06.9	0.8					

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/16	03:41:43.9	+-	0.98	49.977N	18.348E	14.5	10.0	8	1G		13	6	325	3.3ML		SZGRF	I

CZECHOSLOVAKIA

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pg	Z	03:42:37.1	-2.3	T		327.5	289.4	ML 3.0
	e Sg	N	03:43:16.5	-1.0	T				
CLL	e Pg	Z	03:42:50.8	-1.7	T		404.8	293.5	ML 3.3
	e Sg	N	03:43:39.9	0.4	T				
WET	e Pn	Z	03:42:40.0	-0.2	T		405.1	258.9	ML 3.5
	e Sg	E	03:43:40.6	1.0	T				
WERD	e Pg	Z	03:42:54.7	-2.5	T		432.9	279.3	ML 3.3
	e Sg	E	03:44:31.2	43.6	T				
MOX	e Pn	Z	03:42:50.4	0.6	T		483.6	281.4	ML 3.3
	e Sg	N	03:44:02.7	0.6	T				
GRA1	e Sg	N	03:44:10.5	0.3	T		511.9	269.2	ML 3.6

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/16	11:31:37.6		48.320N	6.670E				4					2.1ML		NEIC	

St. Die/F, NW Vosges Mountains

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	11:31:58.8	0.4			122.7	88.9	
	e Sg	N	11:32:13.3	0.6					
WLF	e Sg	E	11:32:21.2	-0.5			154.2	346.0	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/16	12:10:49.1		48.370N	6.670E				5					2.0ML		NEIC	
2003/09/16	12:10:49.3	+ - 1.56	48.371N	6.706E	20.0	6.7	45	10G		4	3	252	1.8ML	WLF	BGR	L

St. Die/F, NW Vosges Mountains

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	12:11:10.5	0.7	T	4.4	120.1	91.6	ML 1.4
	e Sg	E	12:11:23.1	-0.6	T				
WLF	e Sg	N	12:11:31.8	-0.4	T		149.4	344.5	ML 1.8
TNS	e Sg	E	12:11:58.8	0.4	T		241.5	30.9	ML 2.1

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/17	23:28:10.5		51.572N	7.058E				10					2.4ML		NEIC	
2003/09/17	23:28:10.0	+ - 0.15	51.574N	6.872E	2.8	2.7	141	1G		38	21	148	2.9ML		LDG	I?
2003/09/17	23:28:09.0	+ - 0.61	51.521N	6.769E	8.9	4.4	107	1G		12	8	205	2.4ML		SZGRF	I
2003/09/17	23:28:08.7	+ - 0.67	51.575N	6.848E	7.8	4.4	130	1G		13	7	230	2.3ML	TNS	BGR	I
2003/09/17	23:28:09.6		51.554N	6.938E				1G					1.7ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	23:28:15.1	1.1	TA		26.2	118.7	ML 1.7
	e Sg	N	23:28:19.1	2.0		4.3			
IBBN	e Pg	Z	23:28:26.8	0.1			100.8	33.5	ML 2.7
	e Sg	E	23:28:42.1	3.7					

TNS	e	Pn	Z	23:28:38.9	0.1			182.0	143.8	ML	2.3
	e	Pg	Z	23:28:40.2	-0.3		5.9				
	e	Sg	E	23:29:03.1	1.5		4.7				
WLF	e	Pg	Z	23:28:45.8	-0.6		6.7	217.3	195.1	ML	2.3
	e	Sg	E	23:29:10.1	-1.6		3.4				
CLZ	e	Pn	Z	23:28:44.9	-0.7		3.3	238.8	81.0	ML	2.4
	e	Pg	Z	23:28:49.9	-0.2		4.7				
NRDL	e	Pg	Z	23:28:50.9	0.5		2.2	240.7	63.0		
MOX	e	Pn	Z	23:28:59.7	1.4			341.9	105.4	ML	2.6
	e	Sn	E	23:29:32.8	-0.4		1.3				
	e	Sg	N	23:29:47.1	-0.2		2.4				
BFO	e	Pn	Z	23:29:02.2	0.2		1.0	372.1	163.9	ML	2.5
	e	Sg	E	23:29:56.0	0.1		2.7				
WERD	e	Pn	Z	23:29:06.0	1.3			395.2	106.0		

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/18	22:47:13.0		47.534N	13.700E				10					2.2ML		NEIC	
2003/09/18	22:47:10.8 +-	1.47	47.480N	13.702E	14.5	7.8	139	10G		7	4	293	2.1ML	GEC2	BGR	L
2003/09/18	22:47:12.8 +-	0.50	47.544N	13.737E	6.7	4.4	104	10G		13	9	160	1.8ML		SZGRF	L

Eastern Dachstein/A, S of Bad Aussee

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
MOA	e Pg Z	22:47:22.2	0.3	T		52.2	49.2	
KBA	e Pg Z	22:47:22.2	-0.9	T		59.6	209.9	ML 1.6
	e Sg N	22:47:30.6	0.5	T				
GEC2	e Pg Z	22:47:36.9	-0.5		19.3	144.7	359.0	ML 2.1
	e Sg N	22:47:55.1	0.8		4.0			
WTTA	e Pg Z	22:47:39.8	-0.4	T		161.1	259.6	
	e Sg N	22:48:01.0	2.0	T				
WET	e Pg Z	22:47:43.0	-1.9	T		188.9	340.7	ML 2.0
	e Sg E	22:48:06.2	-0.7	T				
FUR	e Pg Z	22:47:44.0	-2.1	T		196.1	291.4	ML 2.3
	e Sg N	22:48:08.1	-0.8	T				
DAVA	e Sg N	22:48:35.6	-0.6	T		291.6	265.8	
GRA1	e Sg E	22:48:40.6	1.4	T		302.0	323.2	
TANN	e Sg N	22:48:47.7	-0.1	T		332.5	344.2	
MOX	e Sg E	22:49:00.6	-0.2	T		377.7	336.7	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/19	03:54: 4.9 +-	0.60	51.471N	16.190E	6.7	5.6	156	1G		18	9	267	3.1ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn Z	03:54:32.5	-0.0	T		170.2	247.9	ML 2.9
	e Sg N	03:54:54.3	0.8	T				
RUE	e Pn Z	03:54:36.1	0.0	T		199.3	305.0	ML 3.1
	e Sg E	03:55:02.7	0.9	T				
CLL	e Pn Z	03:54:39.0	0.1	T		221.9	266.6	ML 2.9
	e Sg N	03:55:08.8	0.6	T				
TANN	e Pn Z	03:54:47.8	1.1	T		286.4	247.3	ML 3.2
	e Sg N	03:55:26.9	0.2	T				
WERD	e Pn Z	03:54:48.7	1.0	T		294.7	248.8	ML 3.0

MOX	e	Sg	N	03:55:28.0	-1.1	T											
	e	Pn	Z	03:54:53.2	0.8	T	332.6	255.8	ML	3.2							
	e	Sg	N	03:55:40.0	0.1	T											
GEC2	e	Pn	Z	03:54:55.1	1.7	T	341.5	212.2	ML	3.0							
	e	Sg	E	03:55:41.0	-1.5	T											
WET	e	Pn	Z	03:54:56.2	1.7	T	349.6	223.6									
GRA1	e	Pn	Z	03:55:02.7	1.7	T	402.6	242.5	ML	3.5							
	e	Sg	E	03:56:00.7	0.8	T											

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/21	05:30:05.3		47.138N	14.340E				10					2.4ML		NEIC	
2003/09/21	05:30:10.9	+ - 1.25	47.337N	14.286E	11.1	8.9	138	10G		7	5	300	2.2ML	GEC2	BGR	L
2003/09/21	05:30:05.8	+ - 0.31	47.163N	14.333E	5.6	3.3	62	10G		15	10	179	1.9ML		SZGRF	L

Murau/A, Mur Valley

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
KBA	e Pg	Z 05:30:18.5	-0.1	T		75.4	263.2	ML 1.7
	e Sg	N 05:30:27.0	-0.5	T				
MOA	e Pg	Z 05:30:19.1	0.2	T		76.5	356.2	
ARSA	e Pg	Z 05:30:20.7	-0.5	T		90.4	83.4	ML 1.6
	e Sg	N 05:30:31.2	-0.5	T				
GEC2	e Pn	Z 05:30:37.6	2.4	T		192.8	346.1	ML 2.3
	e Sg	E 05:31:00.7	-0.2	T				
WET	e Pn	Z 05:30:44.1	2.6	T		245.3	334.4	ML 2.2
	e Sg	E 05:31:15.9	0.0	T				
GRFO	e Sg	N 05:31:50.1	0.6			362.9	321.9	
GRA1	e Sg	E 05:31:50.4	0.9	T		362.9	321.9	
TANN	e Sg	N 05:31:56.0	-0.3	T		386.7	339.9	
MOX	e Sg	E 05:32:09.0	-1.1	T		435.0	333.9	
BFO	e Sg	N 05:32:21.9	2.7			467.1	288.3	
CLL	e Sg	N 05:32:19.0	-1.3	T		470.8	348.7	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/22	02:33: 7.6	+ - 0.64	51.458N	16.214E	7.8	5.6	160	1G		16	8	305	3.4ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z 02:33:35.3	-0.1	T		171.2	248.6	ML 3.2
	e Sg	N 02:33:57.4	0.9	T				
CLL	e Pn	Z 02:33:41.8	0.0	T		223.5	267.0	ML 3.2
	e Sg	N 02:34:11.1	-0.4	T				
TANN	e Pn	Z 02:33:50.7	1.2	T		287.4	247.7	ML 3.5
	e Sg	N 02:34:29.3	-0.4	T				
WERD	e Pn	Z 02:33:51.6	1.0	T		295.8	249.2	ML 3.3
	e Sg	N 02:34:31.7	-0.4	T				
MOX	e Pn	Z 02:33:56.1	0.9	T		333.8	256.1	ML 3.7
	e Sg	N 02:34:44.5	1.5	T				
GEC2	e Pn	Z 02:33:57.8	1.6	T		341.2	212.6	ML 3.4
	e Sg	E 02:34:44.8	-0.3	T				
WET	e Pn	Z 02:33:58.7	1.5	T		349.7	223.9	ML 3.4
	e Sg	N 02:34:47.0	-0.5	T				
GRA1	e Pn	Z 02:34:05.4	1.6	T		403.4	242.8	ML 3.8

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/23	09:51:00.2	+ - 0.04	47.865N	5.550E	1.0	0.7	142	15	+ - 0.0	39	15	71	2.6ML		LDG	I

Langres/Haute-Marne/F

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Sg N	09:52:01.4	0.2			212.8	74.9	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/23	20:17:04.3	+ - 0.96	51.651N	7.675E	23.3	4.4	156	1G		5	3	212	2.0ML		SZGRF	I
2003/09/23	20:17:03.8	+ - 0.80	51.601N	7.770E	20.0	6.7	165	1G		4	3	197	1.9ML	CLZ	BGR	I
2003/09/23	20:17:02.7		51.621N	7.731E				1G					1.9ML		BUG	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg Z	20:17:10.1	1.0	TA		37.7	238.1	ML 1.9
	e Sg E	20:17:15.3	1.9					
TNS	e Pg Z	20:17:31.0	0.6		2.4	163.4	161.8	
CLZ	e Pg Z	20:17:34.8	0.9		2.8	183.5	81.3	ML 1.9
	e Sg N	20:17:58.1	3.0					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/24	21:45:47.9	+ - 0.19	51.541N	6.817E	3.8	2.3	45	1G		29	20	270	2.7ML		LDG	I?
2003/09/24	21:45:49.8	+ - 0.83	51.462N	6.935E	12.2	5.6	140	1G		8	4	242	2.0ML	TNS	BGR	I
2003/09/24	21:45:46.8		51.546N	6.917E				1G					1.5ML		BUG	I

Duisburg, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg - Z	21:45:52.5	1.1	TA		27.1	115.5	ML 1.5
	e Sg N	21:45:56.5	2.0		5.6			
TNS	e Pn Z	21:46:17.2	1.2		3.2	182.2	143.3	ML 2.0
	e Sg E	21:46:40.4	1.5		4.0			
WLF	e Pn Z	21:46:22.7	2.6		3.4	216.0	194.8	
	e Sg N	21:46:48.4	-0.1		3.5			
CLZ	e Pn Z	21:46:27.0	4.0		2.6	240.4	80.8	ML 2.2
	e Sg N	21:46:58.7	3.2		1.8			

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/26	07:36:06.1		49.150N	6.740E				1					2.3ML		NEIC	
2003/09/26	07:36:05.4	+ - 0.56	49.150N	6.769E	8.9	4.4	45	1G		6	3	194	2.1ML	TNS	BGR	I

Merlebach/F, SW of Saarbruecken, French-German border region

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
WLF	e Pg Z	07:36:17.9	0.2	T	2.7	72.6	322.3	
	e Sg E	07:36:26.1	-0.0	T				

BFO	e	Pg	Z	07:36:30.2	-0.0	T	3.9	146.3	128.0	ML	1.7
	e	Sg	N	07:36:47.4	0.2	T					
TNS	e	Pg	Z	07:36:34.2	-0.0	T	2.2	169.7	44.7	ML	2.1
	e	Sg	N	07:36:54.0	0.2	T					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/26	07:52:09.8		49.972N	7.886E				10					2.3ML		NEIC	
2003/09/26	07:52:10.4	+ - 0.44	49.985N	7.855E	7.8	4.4	167	10G		8	6	157	2.3ML		SZGRF	L
2003/09/26	07:52:09.6	+ - 0.33	49.958N	7.867E	4.4	3.3	149	10G		10	7	90	2.2ML	WLF	BGR	L

Bad Kreuznach

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
TNS	e Pg Z	07:52:19.1	0.7	T	18.8	50.8	54.4	ML 1.9
	e Sg E	07:52:24.8	0.4	T	2.9			
WLF	e Pg Z	07:52:31.7	0.5	T	1.6	127.3	255.8	ML 2.2
	e Sg E	07:52:46.2	0.2	T	5.9			
BUG	e Sg E	07:52:57.7	-0.6	T	2.0	170.1	345.9	ML 2.2
BFO	e Pg Z	07:52:41.3	0.5	T	1.8	184.1	169.3	
	e Sg N	07:53:01.3	-1.0	T	1.4			
GRFO	e Sg N	07:53:19.4	0.5	T	2.0	242.3	95.8	
GRA1	e Sg E	07:53:20.3	1.4			242.4	95.7	ML 2.4
CLZ	e Pg Z	07:52:55.0	-0.9	T	3.1	273.3	39.0	ML 2.5
MOX	e Sg N	07:53:28.3	-0.4	T	2.3	276.9	72.6	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/27	01:32:10.7	+ - 0.81	51.713N	7.631E	12.2	5.6	149	1G		6	3	224	2.0ML		SZGRF	I
2003/09/27	01:32:09.5	+ - 0.89	51.749N	7.715E	13.3	7.8	154	1G		5	3	223	2.1ML	BUG	BGR	I
2003/09/27	01:32:09.7		51.628N	7.725E				1G					1.8ML		BUG	I

Hamm/Westfalen, Ruhr Coal Mining District

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg + Z	01:32:17.1	1.0	TA		37.8	236.7	ML 1.8
	e Sg N	01:32:23.1	2.6					
TNS	e Pg Z	01:32:38.3	0.7			164.3	161.8	ML 2.0
	e Sg N	01:33:00.7	4.1					
CLZ	e Pg Z	01:32:41.1	0.2			183.8	81.5	ML 2.1
	e Sg N	01:33:05.4	3.2					

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/27	02:13:38.1	+ - 0.55	51.506N	16.170E	6.7	5.6	96	1G		20	13	267	3.6ML		SZGRF	I

POLAND

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn Z	02:14:05.7	-0.1	T		170.4	246.5	ML 3.3
	e Sg N	02:14:27.5	0.7	T				
RUE	e Pn Z	02:14:08.5	-0.4	T		196.0	304.3	ML 3.4
	e Sg E	02:14:33.7	-0.4	T				
CLL	e Pn Z	02:14:11.8	-0.2	T		220.8	265.5	ML 3.3
	e Sg N	02:14:41.7	0.6	T				

WERD	e	Pn	Z	02:14:21.8	0.8	T	294.9	248.0	ML	3.4								
MOX	e	Pn	Z	02:14:26.0	0.4	T	332.2	255.0	ML	3.7								
	e	Sg	E	02:15:14.3	1.3	T												
GEC2	e	Pn	Z	02:14:29.8	2.8	T	344.1	211.7										
	e	Sg	E	02:15:15.1	-1.3	T												
WET	e	Pn	Z	02:14:29.7	1.8	T	351.5	222.9	ML	3.5								
	e	Sg	N	02:15:17.7	-0.8	T												
CLZ	e	Pn	Z	02:14:35.4	1.4	T	401.4	277.6	ML	3.6								
GRA1	e	Pn	Z	02:14:36.0	1.8	T	403.2	241.9	ML	4.1								
	e	Sg	E	02:15:33.8	0.5	T												
NRDL	e	Pn	Z	02:14:39.3	1.9	T	429.2	287.2										
FUR	e	Pn	Z	02:14:49.4	2.0	T	511.1	225.3	ML	4.2								
TNS	e	Pn	Z	02:14:54.5	1.2	T	560.1	258.3	ML	3.9								
BFO	e	Pn	Z	02:15:06.3	0.5	T	662.6	240.9										

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/27	22:27:26.9		47.900N	9.400E				10					2.0ML		SED	
2003/09/27	22:27:28.0	+ - 0.74	47.990N	9.420E	13.3	4.4	2	10G		6	4	214	1.2ML	BFO	BGR	L
2003/09/27	22:27:27.1	+ - 0.11	47.902N	9.373E	1.3	1.1	121	19	+ - 2.2	18	9	118	1.9ML		LED	L

Weingarten, N of Friedrichshafen

Sta	Phase	Time	TRes	Def	S/N	Dist	EvAz	Mag
GUT	i Pg -	22:27:32.7	-0.0	T		26.8	314.5	ML 2.2
	i Sg	22:27:36.8	0.2	T				
SISB	i Pg +	22:27:34.6	0.1	T		38.8	232.0	ML 1.8
	i Sg	22:27:40.2	0.7	T				
SPAK	Sg	22:27:42.7	0.5	T		49.0	297.2	
UBR	i Pg +	22:27:38.0	0.2	T		60.2	113.9	ML 1.5
	PmP	22:27:39.0	-0.5	T				
	i Sg	22:27:45.7	0.5	T				
	SmS	22:27:47.5	-0.4	T				
BUCH	e Pg	22:27:38.0	0.0	T		60.9	358.6	ML 1.6
	Sg	22:27:45.7	0.3	T				
BFO	e Pg Z	22:27:42.9	0.0			90.9	302.0	ML 1.2
	e Sg E	22:27:53.6	-0.1					
LBG	Pg	22:27:43.5	-0.0	T		94.9	333.4	ML 1.6
	Sg	22:27:54.8	-0.0	T				
HDH	e Pg +	22:27:43.6	-0.5	T		97.8	38.8	ML 2.0
	Sg	22:27:55.5	-0.1	T				
FELD	Sg	22:27:57.3	0.5	T		102.1	268.9	
KIZ	e Pg -	22:27:45.3	-0.5	T		108.6	273.7	ML 2.1
	Sg	22:27:58.5	-0.1	T				
FUR	e (Pg) Z	22:27:51.8	-0.1			144.4	77.7	
	e Sg E	22:28:08.4	-0.4					
SIND	e Pg +	22:27:54.5	-0.3			161.8	6.0	ML 1.9
	Sg	22:28:12.9	-0.8					
SWS	Sg	22:28:19.9	0.3			182.7	344.6	ML 2.2
GRFO	e (Sg) E	22:28:34.1	-2.0			240.5	33.5	
GEC2	e (Sg) N	22:29:01.6	-1.8			336.4	70.2	

Date	Origin Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/28	02:28:34.8		48.340N	6.690E				5					2.1ML		NEIC	
2003/09/28	02:28:37.8	+ - 1.01	48.462N	6.869E	14.5	5.6	41	5G		5	3	241	1.7ML		SZGRF	L

Baccarat/F, NW Vosges Mountains

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BFO	e Pg	Z	02:28:56.0	-0.3	T		108.8	97.2	ML 1.5
	e Sg	N	02:29:08.5	-0.5	T				
WLF	e Pg	Z	02:29:01.2	-1.0	T		143.5	338.9	ML 1.6
	e Sg	E	02:29:18.4	-0.4	T				
TNS	e Sg	N	02:29:43.0	0.4	T		226.7	29.7	ML 2.0

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/28	03:48:55.8	+-	0.68	51.523N	16.157E	8.9	5.6	165	1G		15	8	306	3.6ML		SZGRF	I

POLAND

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BRG	e Pn	Z	03:49:23.5	-0.0	T		170.3	245.8	ML 3.4
	e Sg	E	03:49:45.1	0.6	T				
CLL	e Pn	Z	03:49:29.8	0.2	T		220.0	265.0	ML 3.3
	e Sg	N	03:49:59.3	0.6	T				
TANN	e Pn	Z	03:49:39.0	1.2	T		286.6	246.0	ML 3.5
	e Sg	N	03:50:16.7	-1.0	T				
WERD	e Pn	Z	03:49:39.8	1.0	T		294.8	247.6	ML 3.5
	e Sg	N	03:50:19.6	-0.4	T				
MOX	e Pn	Z	03:49:44.4	1.1	T		331.8	254.7	ML 3.8
	e Sg	N	03:50:31.4	0.7	T				
GEC2	e Pn	Z	03:49:46.2	1.4	T		345.2	211.4	ML 3.6
	e Sg	E	03:50:34.5	-0.0	T				
WET	e Pn	Z	03:49:46.9	1.1	T		352.2	222.6	ML 3.5
GRA1	e Pn	Z	03:49:53.7	1.7	T		403.3	241.6	ML 3.9
	e Sg	E	03:50:52.2	1.1	T				

Date	Origin	Time	OT_err	Lat	Long	Smajor	Sminor	Az	Depth	D_err	Ndef	Nsta	Gap	Mag	Ref	Source	Ev_type
2003/09/29	18:06:35.5	+-	0.57	51.495N	6.872E	8.9	5.6	111	1G		7	4	199	2.0ML		SZGRF	I

Duisburg, Ruhr Coal Mining District

Sta	Phase		Time	TRes	Def	S/N	Dist	EvAz	Mag
BUG	e Pg	Z	18:06:39.2	-1.1	T		28.2	102.2	ML 1.7
	e Sg	E	18:06:43.3	-0.2	T				
IBBN	e Pg	Z	18:06:52.4	-1.5	T		108.8	33.6	ML 2.3
	e Sg	N	18:07:06.3	-0.2	T				
TNS	e Pg	Z	18:07:04.8	-1.1	T		179.6	141.4	ML 1.9
	e Sg	E	18:07:27.1	0.3	T				
WLF	e Sg	E	18:07:34.2	-1.3	T		209.8	194.3	ML 2.0

Unassociated arrivals

Sta	Phase	Date	Time	TRes	Def	S/N	Dist	EvAz	Mag
CLL	e Sg	2003/09/01	08:28:24.0						

SCE	i	Pg -	2003/09/02	08:23:21.4
SCE	i	Sg	2003/09/02	08:23:34.0
BRG	e	Sg	2003/09/02	22:41:11.2
BRG	e	Sg	2003/09/03	08:22:53.0
SCE	e	Pn	2003/09/03	12:45:39.5
BRG	e	Sg	2003/09/04	17:49:05.4
MOX	e	Sg	2003/09/04	23:36:54.7
BRG	e	Sg	2003/09/05	16:01:04.0
BRG	e	Sg	2003/09/06	01:40:17.6
BRG	e	Sg	2003/09/06	11:10:10.3
BRG	e	Sg	2003/09/06	13:46:04.0
BRG	e	Sg	2003/09/07	16:01:04.2
BRG	e	Sg	2003/09/08	08:36:15.4
MOX	e	Sg	2003/09/10	03:15:05.4
BRG	e	Sg	2003/09/10	16:00:31.2
BRG	e	Sg	2003/09/11	16:11:56.3
BRG	e	Sg	2003/09/12	04:10:57.7
BRG	e	Sg	2003/09/12	22:19:10.2
BRG	e	Sg	2003/09/12	22:40:08.7
BRG	e	Sg	2003/09/14	03:18:34.4
BRG	e	Sg	2003/09/14	10:47:37.9
BRG	e	Sg	2003/09/14	22:55:05.6
CLL	e	Sg	2003/09/14	23:36:50.0
BRG	e	Sg	2003/09/15	01:32:31.5
SCE	i	Pn -	2003/09/15	05:24:50.1
OGA	e	Pn	2003/09/15	06:20:42.7
BRG	e	Sg	2003/09/15	06:23:45.6
BRG	e	Sg	2003/09/15	12:27:34.8
MOX	e	(Sg)	2003/09/15	19:34:43.3
FUR	i	Pg -	2003/09/17	22:47:44.2

FUR	i	Sg	2003/09/17 22:48:08.1	ML 2.4
OGA	e	Pn	2003/09/19 18:29:45.1	
BRG	e	Pg	2003/09/20 16:35:24.6	
BRG	e	Sg	2003/09/20 19:45:30.5	
BRG	e	Sg	2003/09/20 20:31:30.2	
MOX	e	(Sg)	2003/09/21 10:06:44.3	
BRG	e	Sg	2003/09/21 10:07:19.0	
MOX	e	Sg	2003/09/21 10:41:56.3	
CLL	e	Sg	2003/09/21 10:42:35.0	
BRG	e	Sg	2003/09/21 20:48:48.8	
CLL	i	Pn	2003/09/22 22:33:41.7	
CLL	i	Pg	2003/09/22 22:33:44.2	
CLL	i	Sg	2003/09/22 22:34:10.3	ML 2.8
CLL	e	Sg	2003/09/24 20:16:31.0	
BRG	e	Sg	2003/09/25 08:35:09.3	
BRG	e	Sg	2003/09/25 19:42:29.6	
CLL	e	Sg	2003/09/27 13:11:32.0	
BRG	e	Sg	2003/09/29 06:29:32.4	
BRG	e	Sg	2003/09/29 13:17:49.6	
BRG	e	Sg	2003/09/29 19:33:16.9	
BRG	e	Sg	2003/09/29 21:18:08.0	
BRG	e	Sg	2003/09/30 03:55:21.7	